





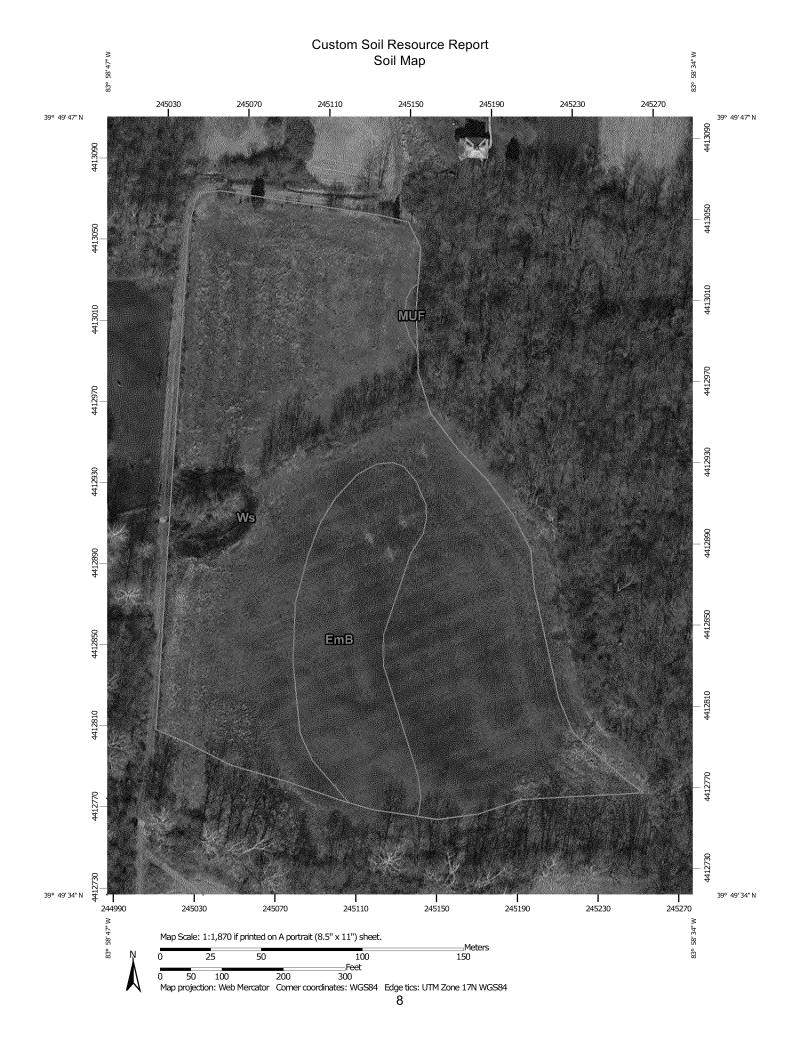
GRQ-07-01 Total Acreage: 13.4 Acres





GRQ-07-01 Total Acreage: 13.4 Acres





#### MAP LEGEND

#### Area of Interest (AOI)

Area of Interest (AOI)

#### Soils

Soil Map Unit Polygons



Soil Map Unit Lines



Soil Map Unit Points

#### **Special Point Features**

(0) Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot \*\*

Landfill

Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

Saline Spot Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

Spoil Area

Stony Spot

Very Stony Spot

0

Wet Spot

Other Δ

Special Line Features

#### **Water Features**

Streams and Canals

#### Transportation

Rails ---

Interstate Highways

**US Routes** 

gattaggi

Major Roads Local Roads

#### Background

Aerial Photography

#### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Greene County, Ohio Survey Area Data: Version 11, Sep 18, 2014

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 6, 2012—Mar 10, 2012

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# Map Unit Legend

Greene County, Ohio (OH057)				
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI	
EmB	Eldean silt loam, 2 to 6 percent slopes	1.9	17.0%	
MUF	Milton soils, channery variant, 25 to 50 percent slopes	0.0	0.3%	
Ws	Westland silty clay loam	9.4	82.7%	
Totals for Area of Interest		11.4	100.0%	

# **Map Unit Descriptions**

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If



Not rated or not available

Streams and Canals

Interstate Highways

Aerial Photography

### MAP LEGEND

**Water Features** 

Transportation

Background

Rails

**US Routes** 

Major Roads

Local Roads

+++

### Area of Interest (AOI)

Area of Interest (AOI)

#### Soils

#### Soil Rating Polygons

0 - 25

25 - 50

50 - 100

100 - 150

150 - 200

> 200

Not rated or not available

#### Soil Rating Lines

0 - 25

25 - 50

50 - 100

100 - 150

150 - 200

> 20

Not rated or not available

#### Soil Rating Points

0 - 25

25 - 50

50 - 100

100 - 150

150 - 200

> 200

### MAP INFORMATION

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Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov Coordinate System: Web Mercator (EPSG:3857)

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This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Greene County, Ohio Survey Area Data: Version 11, Sep 18, 2014

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Date(s) aerial images were photographed: Feb 6, 2012—Mar 10, 2012

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

### Table—Depth to Any Soil Restrictive Layer (GRQ-07-01)

Depth to Any Soil Restrictive Layer— Summary by Map Unit — Greene County, Ohio (OH057)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
EmB	Eldean silt loam, 2 to 6 percent slopes	>200	1.9	17.0%
MUF	Milton soils, channery variant, 25 to 50 percent slopes	76	0.0	0.3%
Ws	Westland silty clay loam	>200	9.4	82.7%
Totals for Area of Interest			11.4	100.0%

### Rating Options—Depth to Any Soil Restrictive Layer (GRQ-07-01)

Units of Measure: centimeters

Aggregation Method: Dominant Component Component Percent Cutoff: None Specified

Tie-break Rule: Lower Interpret Nulls as Zero: No

## **Hydrologic Soil Group (GRQ-07-01)**

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.



#### MAP LEGEND MAP INFORMATION The soil surveys that comprise your AOI were mapped at 1:15,800. Area of Interest (AOI) С Area of Interest (AOI) C/D Warning: Soil Map may not be valid at this scale. Soils D Soil Rating Polygons Not rated or not available Enlargement of maps beyond the scale of mapping can cause Α misunderstanding of the detail of mapping and accuracy of soil line **Water Features** A/D placement. The maps do not show the small areas of contrasting Streams and Canals soils that could have been shown at a more detailed scale. В Transportation B/D Rails بنين Please rely on the bar scale on each map sheet for map C measurements. Interstate Highways C/D **US Routes** ALC: UNK Source of Map: Natural Resources Conservation Service D Major Roads Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov ganggi Coordinate System: Web Mercator (EPSG:3857) Not rated or not available Local Roads grandi Soil Rating Lines Background Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts Aerial Photography distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required. This product is generated from the USDA-NRCS certified data as of the version date(s) listed below. Soil Survey Area: Greene County, Ohio Survey Area Data: Version 11, Sep 18, 2014 Not rated or not available Soil map units are labeled (as space allows) for map scales 1:50,000 Soil Rating Points or larger. Α A/D Date(s) aerial images were photographed: Feb 6, 2012—Mar 10, 2012 В B/D The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# Table—Hydrologic Soil Group (GRQ-07-01)

Hydrologic Soil Group— Summary by Map Unit — Greene County, Ohio (OH057)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
EmB	Eldean silt loam, 2 to 6 percent slopes	В	1.9	17.0%
MUF	Milton soils, channery variant, 25 to 50 percent slopes	С	0.0	0.3%
Ws	Westland silty clay loam	C/D	9.4	82.7%
Totals for Area of Interest			11.4	100.0%

# Rating Options—Hydrologic Soil Group (GRQ-07-01)

Aggregation Method: Dominant Condition Component Percent Cutoff: None Specified

Tie-break Rule: Higher





GRQ-08-01 Total Acreage: 34.6 Acres



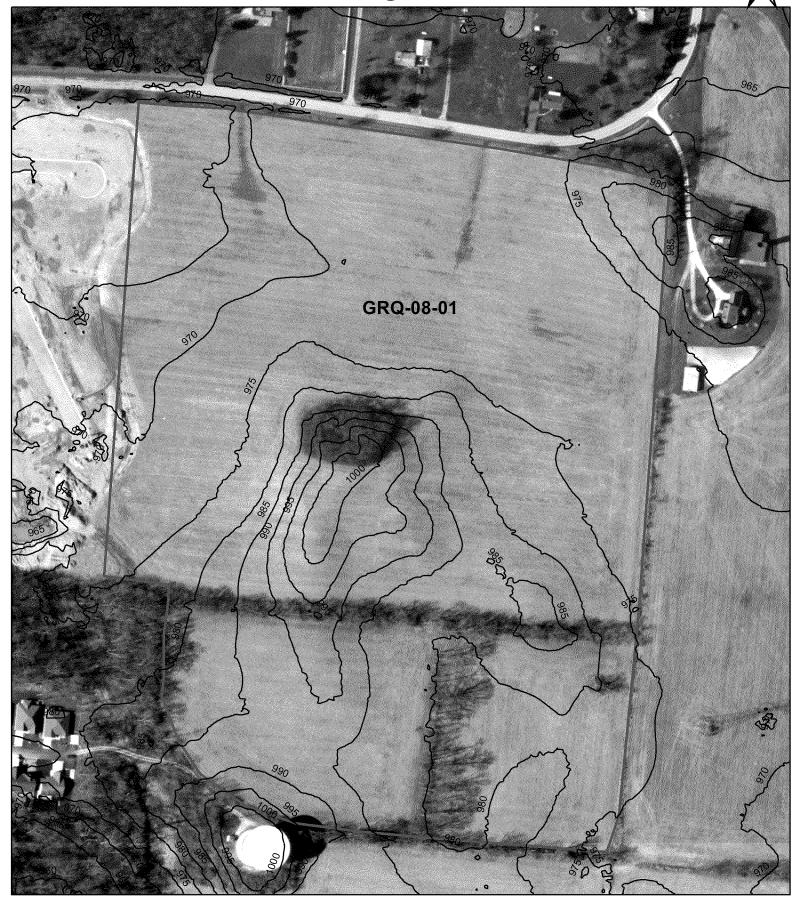


150

300

600 Feet

GRQ-08-01 Total Acreage: 34.6 Acres



5ft Contours



#### MAP LEGEND

#### Area of Interest (AOI)

Area of Interest (AOI)

#### Soils

Soil Map Unit Polygons



Soil Map Unit Lines



Soil Map Unit Points

#### **Special Point Features**

(0) Blowout



Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot \*\*

Landfill

Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

Saline Spot

Sandy Spot

Severely Eroded Spot

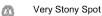
Sinkhole

Slide or Slip

Sodic Spot

Spoil Area

Stony Spot



0

Wet Spot

Other Δ

Special Line Features

#### **Water Features**

Streams and Canals

#### Transportation

Rails ---



Interstate Highways



**US Routes** 



Major Roads Local Roads

### Background

Aerial Photography

### MAP INFORMATION

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Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov Coordinate System: Web Mercator (EPSG:3857)

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Soil Survey Area: Greene County, Ohio Survey Area Data: Version 11, Sep 18, 2014

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Date(s) aerial images were photographed: Feb 6, 2012—Mar 10, 2012

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# Map Unit Legend

Greene County, Ohio (OH057)				
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI	
CcD2	Casco-Eldean loams, 12 to 18 percent slopes, moderately eroded	8.6	22.5%	
EmB	Eldean silt loam, 2 to 6 percent slopes	3.0	8.0%	
EmB2	Eldean silt loam, 2 to 6 percent slopes, moderately eroded	4.0	10.6%	
EmC2	Eldean silt loam, 6 to 12 percent slopes, moderately eroded	3.3	8.6%	
MtB	Milton silt loam, 2 to 6 percent slopes	3.7	9.6%	
OcA	Ockley silt loam, Southern Ohio Till Plain, 0 to 2 percent slopes	5.2	13.6%	
RbA	Randolph silt loam, 0 to 2 percent slopes	10.2	26.8%	
SIA	Sleeth silt loam, 0 to 2 percent slopes	0.1	0.4%	
Totals for Area of Interest		38.2	100.0%	

# Map Unit Descriptions

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Not rated or not available

Streams and Canals

Interstate Highways

Aerial Photography

### MAP LEGEND

**Water Features** 

Transportation

Background

Rails

**US Routes** 

Major Roads

Local Roads

+++

#### Area of Interest (AOI)

Area of Interest (AOI)

#### Soils

#### Soil Rating Polygons

0 - 25

25 - 50

50 - 100 100 - 150

150 - 200

100 - 130

> 200

Not rated or not available

#### Soil Rating Lines

0 - 25

25 - 50

50 - 100

100 - 150

150 - 200

> 20

Not rated or not available

#### Soil Rating Points

0 - 25

25 - 50

50 - 100

100 - 150

150 - 200

> 200

### MAP INFORMATION

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Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov Coordinate System: Web Mercator (EPSG:3857)

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### Table—Depth to Any Soil Restrictive Layer (GRQ-01-08)

Depth to Any Soil Restrictive Layer— Summary by Map Unit — Greene County, Ohio (OH057)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
CcD2	Casco-Eldean loams, 12 to 18 percent slopes, moderately eroded	51	8.6	22.5%
EmB	Eldean silt loam, 2 to 6 percent slopes	>200	3.0	8.0%
EmB2	Eldean silt loam, 2 to 6 percent slopes, moderately eroded	>200	4.0	10.6%
EmC2	Eldean silt loam, 6 to 12 percent slopes, moderately eroded	>200	3.3	8.6%
MtB	Milton silt loam, 2 to 6 percent slopes	76	3.7	9.6%
OcA	Ockley silt loam, Southern Ohio Till Plain, 0 to 2 percent slopes	163	5.2	13.6%
RbA	Randolph silt loam, 0 to 2 percent slopes	94	10.2	26.8%
SIA	Sleeth silt loam, 0 to 2 percent slopes	>200	0.1	0.4%
Totals for Area of Interest			38.2	100.0%

### Rating Options—Depth to Any Soil Restrictive Layer (GRQ-01-08)

Units of Measure: centimeters

Aggregation Method: Dominant Component Component Percent Cutoff: None Specified

Tie-break Rule: Lower Interpret Nulls as Zero: No

# **Hydrologic Soil Group (GRQ-01-08)**

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:



#### MAP LEGEND MAP INFORMATION The soil surveys that comprise your AOI were mapped at 1:15,800. Area of Interest (AOI) С Area of Interest (AOI) C/D Warning: Soil Map may not be valid at this scale. Soils D Soil Rating Polygons Not rated or not available Enlargement of maps beyond the scale of mapping can cause Α misunderstanding of the detail of mapping and accuracy of soil line **Water Features** A/D placement. The maps do not show the small areas of contrasting Streams and Canals soils that could have been shown at a more detailed scale. В Transportation B/D Rails بنين Please rely on the bar scale on each map sheet for map C measurements. Interstate Highways C/D **US Routes** ALC: UNK Source of Map: Natural Resources Conservation Service D Major Roads Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov ganggi Coordinate System: Web Mercator (EPSG:3857) Not rated or not available Local Roads grandi Soil Rating Lines Background Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts Aerial Photography distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required. This product is generated from the USDA-NRCS certified data as of the version date(s) listed below. Soil Survey Area: Greene County, Ohio Survey Area Data: Version 11, Sep 18, 2014 Not rated or not available Soil map units are labeled (as space allows) for map scales 1:50,000 Soil Rating Points or larger. Α A/D Date(s) aerial images were photographed: Feb 6, 2012—Mar 10, 2012 В B/D The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# Table—Hydrologic Soil Group (GRQ-01-08)

Hydrologic Soil Group— Summary by Map Unit — Greene County, Ohio (OH057)				
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EmB	Eldean silt loam, 2 to 6 percent slopes	В	3.0	8.0%
EmB2	Eldean silt loam, 2 to 6 percent slopes, moderately eroded	В	4.0	10.6%
EmC2	Eldean silt loam, 6 to 12 percent slopes, moderately eroded	В	3.3	8.6%
MtB	Milton silt loam, 2 to 6 percent slopes	С	3.7	9.6%
OcA	Ockley silt loam, Southern Ohio Till Plain, 0 to 2 percent slopes	В	5.2	13.6%
RbA	Randolph silt loam, 0 to 2 percent slopes	C/D	10.2	26.8%
SIA	Sleeth silt loam, 0 to 2 percent slopes	B/D	0.1	0.4%
Totals for Area of Interest			38.2	100.0%

## Rating Options—Hydrologic Soil Group (GRQ-01-08)

Aggregation Method: Dominant Condition
Component Percent Cutoff: None Specified

Tie-break Rule: Higher